## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE      |
|---------------------------|----------|--------|-----------|
|                           | (==+)    |        | 11-381-51 |
| FEE DETERMINATION         |          |        |           |
| O.I.P.E. CLASSIFIER       |          |        |           |
| FORMALITY REVIEW          | - the    | ナスル    | 12-05-01  |
| RESPONSE FORMALITY REVIEW |          |        |           |
|                           |          |        |           |

## INDEX OF CLAIMS

| J | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
|   | Allowed                    | 1 | Interference |
|   | (Through numeral) Canceled |   | Appeal       |
|   | Restricted                 | 0 | Objected     |

| 6          | la                                    | lm     | 7             |      | _      | <u> </u> |      |    | D     | ate                                     | ,  |     |     |          |        |    |      |    |
|------------|---------------------------------------|--------|---------------|------|--------|----------|------|----|-------|---|----|-----|-----|----------|--------|----|------|----|
| H          | Ī                                     | Ξ      | Т             | ďζ   | 11/1/2 | 7        | Т    |    | T     | T                                       |    | T   | T   | T        | Т      |    |      |    |
| ١.         | أي                                    | Odnina |               | Š    | 3      | 3        | ĺ    |    | ļ     |   |    | l   | Ì   |          | ١      |    |      | Į  |
| l          | ള                                     | Š      | 1             | S    | 11     | 3        | ١.   |    | l     | ľ                                       |    | 1   | -   | Ţ        | 1      |    |      |    |
| 2          | _                                     |        |               | 7.1  | J      | 1        | 7    |    | 1     |   |    | 1   | - 1 |          | 7      |    | 1    |    |
| ŀ.         | -                                     | ì      | 2             |      |        | ţ        | 寸    |    | †     | 7                                       | -  | Ť   | 7   | 1        | ╗      |    | 1    |    |
| į          | -                                     | Н      | β             | 73   | Ŋ      | 4        | 1    | _  | Ť     | T                                       | Ī  | †   | 1   | 7        |        |    | 1    |    |
|            |                                       | ۲      |               | ***  |        | 1        | -    | -  | +     | 7                                       | -  | +   | 十   | 十        | ┪      |    | 1    |    |
| t          |                                       | H      | Н             | 3    | 1      | 7        | ┱    | _  | +     | 7                                       |    | T   | 1   |          |        |    | 1    |    |
| ŀ          | 4                                     | ۲      |               | 1    | i      | 1        | _    | _  | +     | 7                                       | _  | T   | 7   | 1        | 7      |    | 1    |    |
| 1          | i de                                  | ۲      | F             | 4.   |        |          | .    | _  | +     | 7                                       |    | Ť   | _   | $\dashv$ | $\neg$ |    | 1    |    |
| ľ          | j.                                    | r      |               | 1    | T      | 1        | 一    |    | Ť     |   | _  | T   | 7   | 7        |        |    | 1    |    |
| ľ          | ζ,                                    | t      | j             | 1    | T.     |          | 7    | _  | 7     |   |    | 1   | 1   |          |        |    | 1    |    |
| ľ          | ć.                                    | 1      | b             |      | t      | ;        | Ĭ    | 1- | †     |   |    | 7   | 1   |          |        |    | 1    |    |
| t          |                                       | f      | þ             |      | t      |          |      | -  | †     | _                                       | -  | †   | T   |          |        |    | 1    |    |
| ١          |                                       | 1      | P             | ÷    | ť      | 1        |      | _  | †     |   | ,  | 1   | 7   | -        |        |    | 7    |    |
| l          | 16                                    | t      | 3             |      | t      | -1       | 7    |    | 7     | _                                       | Г  | 7   | 1   | T        |        |    | 1    |    |
| 1          | ă.                                    | d      | à             | V    | ١,     | ᆟ        |      |    | †     | _                                       | Γ  | 1   | 寸   | -        |        |    | 1    |    |
| 1          | ř.                                    | F      | 3             | ī    | ŧ      | ý.       |      |    | 1     |   | r  | 1   | ヿ   |          |        |    | 1    |    |
| ۱          | ī,                                    | t      | þ             | ÷    | t      | 2        | 11.5 |    | 7     |   | ļ. | 1   | 寸   |          | _      |    |      |    |
| H          | Ž,                                    | t      | 7             | 27   | ľ      |          | ١,   | ŀ  | 7     |   | Γ  | 1   |     |          |        |    | ]    |    |
| ž.         | 5                                     | t      | 8             | 13   | 1      | 1        | -    | F  | , 1   | • | ٢  | 7   |     |          |        |    | 7    |    |
| í          | Y                                     | t      | þ             | ×    |        | ×2.      | ,    | T  | 7     |   | T  | T   |     | ×        |        | Γ  | 7    |    |
| ŧ          | 3                                     | 1      | Þ             | 2    | ŀ      | Ż.       | ۲,   | Ì, | ٦     | 100                                     | T  | ٦   | •   |          | Г      |    | ٦    |    |
| ş          |                                       |        | đ,            | 1    | t      | ξţ.      | . e  | t  |       | ×                                       |    |     | ,×  | . Y      |        | 1  | ٦.   |    |
| 1          | 20                                    | 1      |               | 3    |        | AL.      | -    |    |       |   | t  |     |     | 7.       | -      | T  | 7    |    |
| See .      | 3                                     | t      | 2 2 2 2 3 3 3 | 10.2 |        |          | 5    | t  |       |   | t  | 7   | . * |          |        | F  | 1    |    |
| Ì          | 100                                   | +      | 3             | 2    |        | Ų.       | 7    |    |       |   | t  |     |     | 2        |        | t  | 1    |    |
| ŝ          | O,                                    |        | 7             |      |        | Ρė       | A.v. | -  |       | й.                                      | t  | à,  | ,   | -        | -      | 1  | 7    | ٠, |
| į          | 3                                     | 1      | 2             | 5    | t      | Ž.,      | 44   |    | ŝ     |   | t  |     | 7-  |          |        | T  | ٦    |    |
| ş          | 23                                    |        | 4             | 3    | 1      | 7        | 3,5  | -  |       |   | t  | 7.  | . % |          | 3      | 1  | ٦    | -  |
| ۹          | 5                                     | i      | ż             | Š    | Ĩ      | Ĭô.      | 2.   | t  | 14    | ų,                                      | Ť, | , X |     | ٨.       | 10.5   |    | , ], |    |
| ď          | 78                                    | ŝ      | 4             | Ì    | ŧ      | 13       | 1    | t  | î.    |   |    | ij  | -3, |          | Æ.     | 1  |      |    |
| ŧ          | ¥                                     | ţ      | 4             | 12   | i      | <b>S</b> | ST.  | t  |       | £.                                      | 1. | •   | 1   | **       | *      | 1  |      | -  |
| i          | 3                                     | ì      | 1             | Ī    | i      | 世        | 松    |    | Ž.    | 4                                       | 1  |     | 1.4 | 6        | 14     |    | 1    |    |
| 4          | 4                                     | ï      | 1             | 2 8  | į.     | K.       |      |    | 1     | 4                                       | 1  | 2   | 2   | 4.       |        | Τ  |      |    |
| d          | Ā                                     | 8      | 3             | 3 4  | ř      | 2        | \$4  | 1  | 77    | , z                                     | T  | 7   | Ü   | 'n       |        | Ι  |      |    |
| d          | 2                                     | 3      | 3             | 1    | ŧ      | 鱗        | 5    | 1  | ĥ     | È                                       | J  |     | Λ.  | .".      | 12.    | Ţ, | _    |    |
| H          | 7                                     |        | 3             | 5    | ŕ      | į.       | 1,2  |    | 1     | υ (1)<br>(1)                            |    | -   | î   | 3.       | 1      |    | ╝    |    |
| Ì          | · · · · · · · · · · · · · · · · · · · | ĵ      | 0 0 0         | Į    | 4      | ×        | 10   |    | *     | 7                                       | -  | Ţ,  | 3   | 120      |        |    |      |    |
| H          | 9                                     | ţ      | 3, 3          | 7 8  | ŧ      | 2        |      |    | â     | 20                                      | 1  | 4   | 3   |          |        |    | *    |    |
| d          | Ų                                     | Š.     | 3             | 3 5  | 10     | i i      | Ç.   |    | ۲     |   |    | Ç:  | 2   | 1.       | 0.7    | -  | -    |    |
| Š          | G                                     | ă      | 3             | 9 (  | ż      |          | K    |    | À     | è                                       | _  | r   | 10  | 12       | 14     | 1  |      |    |
| Á          |                                       | ř      | 4             | e l  | ž      | i.       | 1    |    | 15    | 1                                       | 1  | Į.  | 1   | 1        | 1      | 1  | Ą    |    |
| ¥          |                                       | è      | 4             | 1    | Ĺ      | Ŋ        | 1    |    | ŧ,    | 4                                       |    | 3   |     | 1        | 1      |    | 5    |    |
| Ų          | 1                                     | 8      | 4             | 3 3  | Ų      | Ç.       | 9    |    | *     | Ç                                       |    | 7   | 2.  |          | 1      |    | ,    |    |
| 400        | I.                                    | Ä      | 4             | 3    | đ      | 4        |      |    | ÷     | 1                                       |    | ×   | 12  | 1.7      |        |    | į.   |    |
| H          | ľ                                     | X      |               | 4 (  | Ċ      | *        | 4    |    | ×     |   |    | -1  |     |          |        |    | ۲'   | ľ  |
| 4          | P                                     | J      | 4             | 5    | ¥      | 3        | 1    |    | ٨.    | Ñ                                       |    | 1   | 1   | Ŀ        | Ŀ      | 1  | :    |    |
| 1年を対することも対 | V                                     | ğ      | 4             | 6    | E      | Ċ,       |      | •  | K     | E                                       |    |     | ÷   | Ľ        | L      | 1  | 7    |    |
| ġ,         | 1                                     | 3      | 4             |      | ē      | 3        | ÷    |    |       |   |    |     | L   | Ĺ        | 1      | ╛  |      | l  |
| j          |                                       | X      | 4             | 8    | Ņ      | 3        |      |    | . *   | Ŀ                                       | ٠. |     | L   | Ľ        | Ţ      | 1  | _    |    |
| á          | 1                                     | 3      | 4             | 9    | ð      | R        |      | Ī  | . : ] |   |    | Ĺ   | L   | L        | 1      | _  | _    |    |
| ď          | 1                                     |        | 15            | oli  | ð      | 17.7     | 13   | _  | Г     | Т                                       |    | Γ   | 1   |          | T.     | -  |      | ١  |

| Cla      | im       |          | _        |          | D        | ate      |          |  |  |        | $\neg$   |
|----------|----------|----------|----------|----------|----------|----------|----------|--|--|--------|----------|
|          |          | $\top$   | T        | Т        | T        | Τ        |          |  | Ţ  | 7      | $\neg$   |
| _        | Original |          | 1        |          | 1        |          | 1        | ļ  | ]  | - 1    | 1        |
| Final    | ह        |          | 1        |          |          |          |          | - 1  | ļ  | ı      | 1        |
| F        | 51       | 十        | $\top$   | †-       | 十        | +        |          | $\neg$   |  | $\Box$ | _        |
| _        | 52       | +        | +-       | +        | +        | +        | ┪        | _  |  |        | _        |
| -        | 53       | +        | +        | +-       | T        | +        | $\dashv$ |  |  |        | $\neg$   |
| -        | 54       |          | +-       | +        | +        | +        |          | _  |  |        | 一        |
| $\vdash$ | 55       | +        | +        | +        | 十        | 1        |          |  |  |        | $\sqcap$ |
| -        | 56       | +        | ╁        | +        | 十        | 1        |          | _  |  |        |          |
| $\vdash$ | 57       | $\dashv$ | +        | +        | 十        | 1        |          | _  |  |        | П        |
| -        | 58       | +        | +        | +        | +        | 7        | _        |  | _  |        |          |
| -        | 59       | +        | +        | +        | +        | T        | _        |  |  |        | П        |
| $\vdash$ | 60       | +        | +        | +        | +        | 1        |          |  | _  |        | П        |
| -        | 61       | +        | ╅        | +        | 十        | 1        |          | _  | Т  | Г      | П        |
| $\vdash$ | 62       | 十        | +        | +-       |          | 7        |          | $\vdash$   | 1  | t      | $\Box$   |
| -        | 63       | 十        | +        | - -      | +        | 7        | _        |  | <del>                                     </del> |        | Н        |
| $\vdash$ | 64       | 十        | 十        | ╅        | +        | $\dashv$ |          |  | $\vdash$   | T      | П        |
| -        | 65       | +        | -        | ╁        | +        | $\dashv$ |          | ┪  | $\vdash$   | 1      | $\vdash$ |
| $\vdash$ | 66       | 十        | +        | +        | +        | -        | _        | 1  | 1  | T      | $\vdash$ |
| $\vdash$ | 67       | $\dashv$ | +        | +        | ╅        |          |          | <del>                                     </del> | 1  | 1      | П        |
| -        | 68       | +        | 十        | +        | +        |          |          | 1  | T  | †      | $\vdash$ |
| $\vdash$ | 69       | $\dashv$ | +        | +        | +        | -        |          | $t^-$  | +-   | †      | $\Box$   |
| $\vdash$ | 70       | +        | -        | -        | -        | _        | H        | -  | +  | +-     | +        |
| -        |          | -        | +        | -+       | +        |          | $\vdash$ | ╁  | ╀  | ╁      | ++       |
| $\vdash$ | 71       | $\dashv$ | $\dashv$ | +        |          |          | ├-       | ╁  | ╁  | +      | 1        |
| $\vdash$ | 72<br>73 | -        | -+       | +        | $\dashv$ |          | ┝        | ┼  | ╁  | +      | +        |
| $\vdash$ | 74       | -        | $\dashv$ | -+       | $\dashv$ |          | ┝        | +  | ╁  | +-     | +        |
| -        | _        | $\vdash$ | +        |          | -        |          | -        | ╁  | +  | ╅      | +        |
| -        | 75       | -        | +        | -+       | +        |          | H        | +-   | +-   | ╁      | ╁┤       |
| 7.7      | 76       |          | $\dashv$ | +        | -        |          | -        | +  | ┿  | +      | +        |
| -        | 77<br>78 |          | -1       |          |          |          | $\vdash$ | ┿  | ╁  | 十      | +        |
| -        | 79       | -        |          | +        | -        | _        | ╁        | ╁╴   | ╁  | +-     | +        |
| . H      |          | $\vdash$ |          | -        | $\dashv$ | _        | ╁        | ╁╴   | ╁  | ╁      | +        |
| H        | 80       | ┝┥       | -        | $\dashv$ |          |          | ╀        | ╁  | 十  | ╁      | +        |
| -        | 82       |          | $\dashv$ |          | $\dashv$ |          | ╁        | ╁  | ╁  | +      | +-       |
| -        | 83       |          | -        | $\dashv$ | -        |          | ┝        | +  | +-   | +      | +-       |
| <u> </u> | 84       |          |          | -        | $\dashv$ | _        | ╁        | +  | ╁  | +      | +-       |
| -        | 85       | ·        |          |          | -        | -        | ╁        | ╁  | +  | +      | +-       |
| -        | 86       |          | -        |          | -        | -        | ╁╴       | ╅  | +  | -      | +-       |
| ŀ        | 87       | -        | -        |          | _        | $\vdash$ | ╁        | +  | +  | +      | +        |
| -        | 88       | _        |          | -        | _        | $\vdash$ | 十        | +  | ╁  | +      | +        |
| -        | 89       | _        | $\vdash$ | -        |          | $\vdash$ | $^{+}$   | +  | +  | +      | +        |
| -        | 90       | +        | Н        | Н        | _        | -        | +        | +  | +  | +      | +-       |
| (  -     |          | -        | $\vdash$ | Н        | -        | -        | +        | +  | +  | +      | +-       |
| -        | 91       |          | $\vdash$ | -        | _        | $\vdash$ | ╁        | +  | +  | +      | +        |
| .  -     |          | 1        | -        | H        | -        | -        | +        | +  | +  | +      | +        |
|          | 93       | _        | -        |          |          | ┞        | ╁        | +  | +  | +      | +-       |
| .        | 94       |          | 2        | ليا      | -        | -        | +        | +  | +  | +      | +        |
| -        |          | 2        | F        | -        | -        |          | +        | +  | +  | +      | +        |
| ŀ        | 96       | <u>'</u> | <u> </u> | <u> </u> | $\vdash$ | -        | +        | -  | +  | +      | +        |
| 1        | 97       |          | _        | <u> </u> | _        | -        | +        | +  | +  | +      | +        |
| Ļ        | 98       |          | -        | <u> </u> | $\vdash$ | -        | +        | +  | +  |        | +        |
| -        | 99       |          | -        | _        | L        | ┞        | +        | +  | +  | -      | +        |
| L        | 10       | Ol_      | L        | L.       | <u> </u> | ட        | _1_      |  |  | - }    |          |

| le: | m          |          |          |              |          |   |              | 0  | ate | - | _        |              | _  |   |   |          | ٦ |
|-----|------------|----------|----------|--------------|----------|---|--------------|----|-----|---|----------|--------------|----|---|---|----------|---|
|     | m          | -        | Т        |              |          | Т |              | Ĭ  | ate | _ | Т        | Ţ            |    | T | Ī |          | + |
| 1   | Original   |          |          |              |          |   |              |    |     |   |          |              |    |   |   |          |   |
| ١   | 101        |          | 1        |              |          | ] |              |    | Į   | _ | 1        |              |    | 1 | _ |          |   |
|     | 102        |          | 4        |              |          | - |              | L  | 4   |   | +        | _            | _  | + | 1 | _        | 4 |
|     | 103<br>104 |          | 4        |              | -        | + |              | ┞  | 4   | _ | +        |              | Ļ. | + | - |          | 4 |
|     | 105        |          | +        |              | H        | + |              | ┝  | +   | - | +        | -            | -  | ╁ | - | <u> </u> | 1 |
| ۲   | 106        |          | +        | _            | t        | t |              | ├- | -   | - | +        |              | H  | + | - | _        | ᅥ |
| 7   | 107        | +        | 1        | _            | t        | 1 |              | t  |     | _ | 1        |              | -  | 7 |   | r        | ٦ |
| -   | 108        |          | 7        | _            | T        | 7 |              | T  |     |   | 7        |              | Г  | 7 |   | Γ        | ٦ |
|     | 109        |          |          |              | İ        |   |              | I  |     |   |          | _            |    |   |   |          |   |
|     | 110        |          |          |              | L        |   |              | l  |     | L | _        |              | L  | _ |   | L        | _ |
| _   | 111        | -        | _        |              | ļ        | _ |              | ļ  | _   | L | _        |              | -  | 4 |   | L        |   |
|     | 112        |          | _        |              | ╀        | _ | _            | 1  | _   | L | 4        |              | ┝  | 4 |   | ╀        |   |
| _   | 110        |          | _        | _            | 1        | - |              | ╀  |     | - | $\dashv$ | _            | ╀  | - |   | ╀        |   |
|     | 114        |          | -        | _            | +        | 4 |              | ╁  |     | ├ | $\dashv$ |              | ╁  | - | _ | ╁        | _ |
| _   | 110        |          | -        | ┝            | +        | _ | -            | +  |     | H |          | _            | t  | - |   | t        |   |
|     | 11         |          | -        | -            | t        |   | _            | t  |     | t | -        | -            | t  |   | _ | t        | _ |
|     | 11         |          | _        | Γ            | 1        |   | -            | Ť  |     | T |          | Г            | T  |   |   | Ť        | _ |
| _   | 11         | 9        |          | Ļ            | Ť        |   | Г            | Ť  |     | Γ | _        |              | Ī  |   |   | T        |   |
|     | 12         | 0        |          |              | T        |   | Г            | 1  |     | T |          |              | T  |   |   | T        |   |
|     | 12         |          |          |              | T        |   |              | 1  |     | Ī |          |              | 1  |   |   | I        |   |
|     | 12         | 2        |          |              | I        |   |              |    |     | I |          |              | 1  |   | L | 1        |   |
| _   | 12         |          |          | L            |          | _ | L            | 1  | _   | 1 |          | _            | 1  |   |   | 1        |   |
|     | 12         |          |          | L            | 4        |   | 1            | 4  |     | 1 | _        | L            | 4  |   | ┡ | 4        |   |
|     | 12         |          |          | L            | +        |   | L            | 4  |     | 1 | _        | ┞            | +  | _ | L | +        |   |
|     | 12         |          |          | ╀            | +        | _ | ╀            | 4  | _   | + |          | $\vdash$     | ╁  |   | ╀ | +        | _ |
|     | 12         |          |          | ╀            | +        | _ | H            | +  | -   | ╁ | -        | ┝            | +  |   | - | +        | _ |
| -   | 12         |          | _        | 十            | +        | _ | H            | +  | -   | + | _        | ╁╴           | †  | _ | H | +        | - |
| •   | 13         |          | -        | ┪            | †        | _ | t            | 1  | _   | t | _        | 1            | †  |   | 1 | 7        | _ |
| -   |            | 31       |          | †            | 7        | _ | T            | 1  |     | † |          | 1            | 1  |   | T | 7        | _ |
|     | 13         | 12       | _        |              |          |   | Ι            |    |     | 1 |          |              | 1  |   |   |          |   |
|     | 13         | 33       |          |              |          |   | I            |    |     | I |          |              |    | _ | 1 |          |   |
|     | 13         | 34       |          | 1            | _        | _ |              |    |     | 1 | _        | L            | 4  |   | Ļ | 4        |   |
| _   | 1;         | 35       |          | 1            | 4        |   | 1            | _  | _   | 4 | _        | ╄-           | 4  | _ | + | -        | · |
|     |            | 36       |          | ╀            | 4        | _ | ╄            | -  | ŀ   | + |          | ╀            | +  |   | ╁ | $\dashv$ |   |
| _   |            | 37<br>38 |          | ╀            | $\dashv$ |   | ╀            | -  |     | + | -        | ╁            | +  | _ | ┢ | 4        | _ |
| -   |            | 39       |          | ╁            | ┪        |   | ╁            |    | H   | + |          | +            | 1  |   | t | ۲        | _ |
| -   |            | 10       | -        | ╁            | 1        | - | $^{\dagger}$ | -  | -   | 1 | _        | t            | +  | _ | + | 7        | r |
|     | 1          | 41       | -        | ╁            | 1        | _ | ╁            | -  | H   | 1 | _        | ╁            | +  | _ | + | H        | r |
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If more than 150 claims or 10 actions staple additional sheet here

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